PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known				
Application Number	10/731,993			
Filing Date	December 9, 2003			
First Named Inventor	Adams, Joseph S.			
Art Unit				
Examiner Name				
Attorney Docket Number	90959.000012			

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
HA		US-4,043,248	08-23-1977	Bulman et al.				
HA		US-4,377,991	03-29-1983	Liesse				
HA		US-4,665,868	05-19-1987	Adams				
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HA		US-5,499,567	03-19-1996	Gay				
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Examiner Initials	Cite No.1	Countr	Foreign Patent Document y Code ¹ Number ⁴ Kind Code ¹ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁴
HA		JP	4136696	05-11-1992	Japan Steel Works Ltd.		
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HA		JP	60104806	6-10-1985	Itsusei Kogyo KK		F
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Examiner Signature	Hose M.	Date Considered	12/16/04

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Substitute for for	Substitute for form 1449A/PTO			Complete if Known		
000021010 101 101	1440/01 10			Application Number	10/731,993	
INFORMATION DISCLOSURE		Filing Date	December 9, 2003			
STAT	STATEMENT BY APPLICANT		First Named Inventor	Adams, Joseph S.		
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Sheet	2	of	3	Attorney Docket Number	90959.000012	

	U.S. PATENT DOCUMENTS							
Examiner Cite Initials No.1		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
MA		US-5,967,133	10-19-1999	Gardner et al.	•			
HA		US-6,003,504	12-21-1999	Rice et al.				
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HA		US-20030005918	01-09-2003	Jones				
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	FOREIGN PATENT DOCUMENTS							
Examiner Cite No.1	Foreign Patent I Country Code ³ *Number ⁴ *K		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶		
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Examiner Signature	Horden A.	Date Considered	12/16/	04	

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Substitute for for	ubstitute for form 1449B/PTO		Comp	Complete if Known		
0000000000000	14405/1 10			Application Number	10/731,993	
INFO	RMATION	N DISCLO	SURE	Filing Date	December 9, 2003	
STA	TEMENT I	3Y APPLI	CANT	First Named Inventor Adams, Joseph S.		
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	se as many sn	eels as necess	ary)	Examiner Name		
Sheet	3	of	3	Attorney Docket Number	90959.000012	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ^{1.}	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ^{2.}
HA		English language abstract of Japanese patent JP4130898.	
		English language abstract of Japanese patent JP5215492.	
		English language abstract of Japanese patent JP6185894:	
		English language abstract of Japanese patent JP60104806.	
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Examiner Signature	Hyden M.	Date Considered	12/16/04
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